



WTIS-15
13th WORLD TELECOMMUNICATION
ICT INDICATORS
SYMPOSIUM
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HIROSHIMA, JAPAN



Session – ICT and innovation: measurement, impact and policies

Hiroshima
Dec 1, 2015

**13th World
Telecommunication/ICT
Indicators Symposium (WTIS)**

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Global Innovation Index

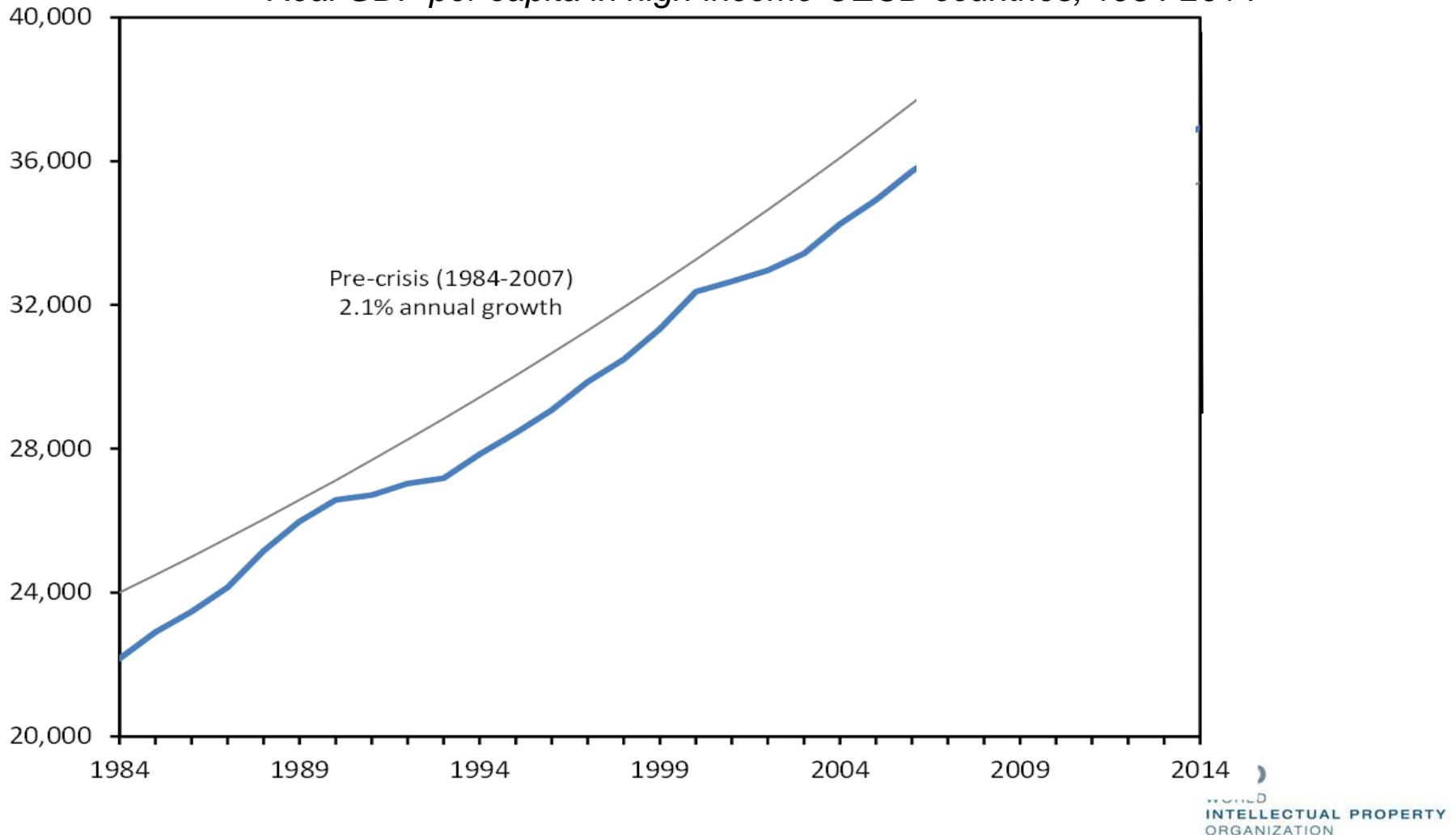
(I) WHY CARE ABOUT ICTs AS DRIVER OF INNOVATION?

 **THE POLICY DIMENSION**

ICT, Innovation, Productivity – in 2 steps

Step 1: ICT as enabler of fast growth

Real GDP per capita in high-income OECD countries, 1984-2014



How ICT innovation spurs growth

Enterprise,
sector and
economy level

ICT Innovation

Capital deepening –
Firms invest in ICTs

Firm productivity
Growth

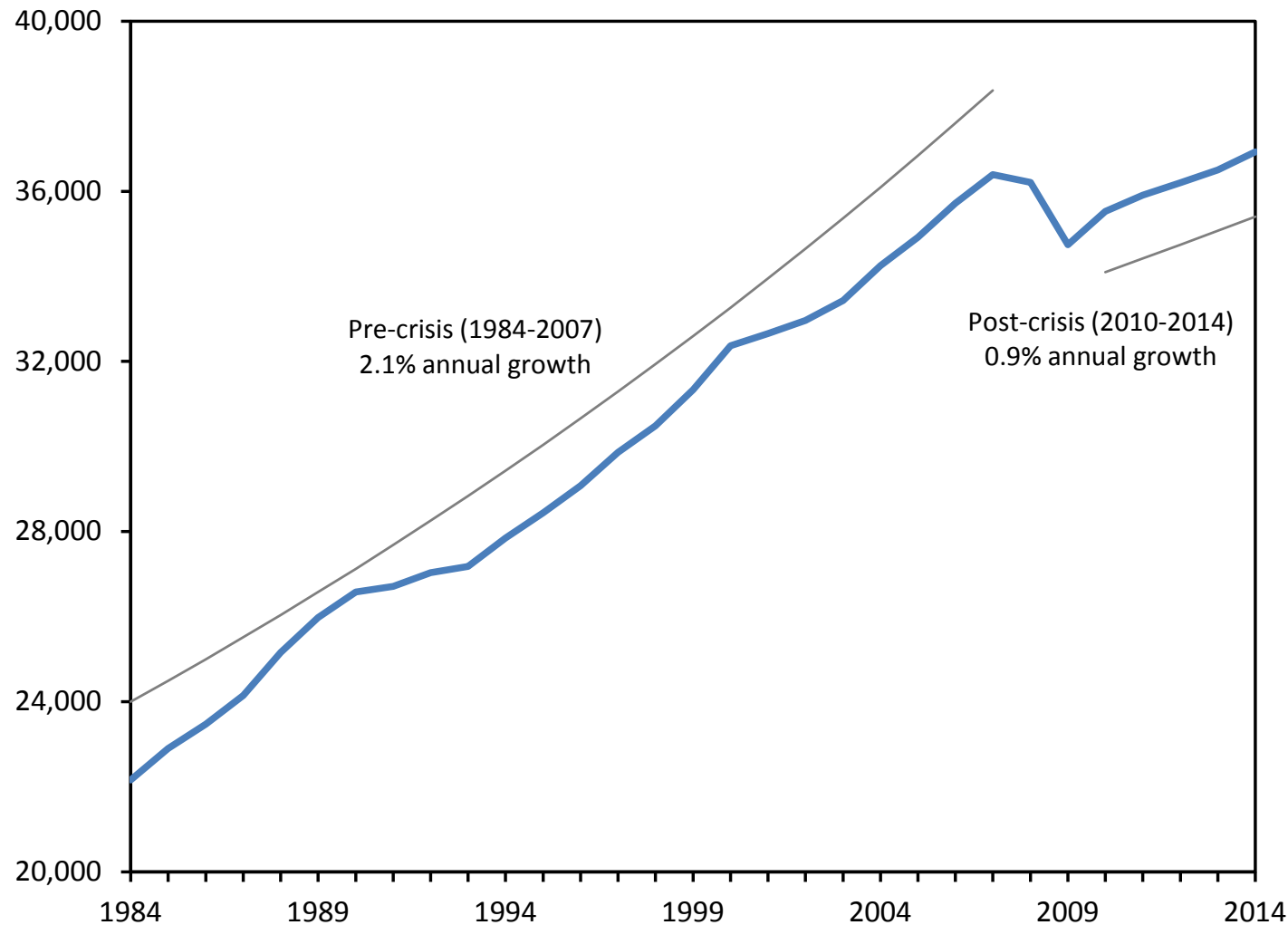
Transformation of
economic structures

Organisational innovation

Long-run economic growth



Step 2: The end of fast growth? Low as the „new normal“?



Source. WIPO (2015)

(II) IS INNOVATION DRIVEN BY ICTS AND HOW TO MEASURE IT?

 **THE MEASUREMENT DIMENSION**



Status Quo:

ICT innovation measurement

ICT data

- Good ICT capital data
- Good access data
- Good ICT use data – but lack of intensity & direction of ICT use
 - % of households / businesses using computers
- Much at firm level and not other entities not captured

Innovation survey tools

- Innovation surveys at the firm level (Do you innovate?)
- Difficulty of reliably measuring innovation outputs /processes



Linked micro-aggregated data
on ICT usage, innovation in firm

Questions before us



1. What role do ICTs have as a driver of innovation?

2. What are key indicators used to monitor ICT-related innovation?

What can be done to improve at national & int. level?